

INSTRUCTIONS TO FABRICATOR

PROJECT PLANS SHOW:

1. Sign structure location.
2. Length of structure frame.
3. Panel size and locations on structure.
4. Walkway length for two post signs.
5. Post type and height to bottom of frame.
6. Base plate elevation.
7. Footing elevation or location of pile foundation.
8. Photoelectric unit location if required.

REFER TO THE FOLLOWING STANDARD PLANS FOR DETAILS NOT SHOWN ON PROJECT PLANS:

SHEET # SHEET NAME

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|------|---|
| S1 | Overhead Signs-Truss, Instructions and Examples |
| S2 | Overhead Signs-Truss, Single Post Type, Post Types II to IX |
| S3 | Overhead Signs-Truss, Single Post Type, Base Plate and Anchorage Details |
| S4 | Overhead Signs-Truss, Single Post Type, Structural Frame Members Details No. 1 |
| S5 | Overhead Signs-Truss, Single Post Type, Structural Frame Members Details No. 2 |
| S6 | Overhead Signs-Truss, Gusset Plate Details |
| S7 | Overhead Signs-Truss, Single Post Type, Square Pedestal Pile Foundation |
| S8 | Overhead Signs-Truss, Single Post Type, Round Pedestal Pile Foundation |
| S9 | Overhead Signs-Truss, Two Post Type, Post Types I-S through VII-S |
| S10 | Overhead Signs-Truss, Two Post Type, Base Plate and Anchorage Details |
| S11 | Overhead Signs-Truss, Two Post Type, Structural Frame Members |
| S12 | Overhead Signs-Truss, Structural Frame Details |
| S13 | Overhead Signs-Truss, Frame Juncture Details |
| S14 | Overhead Signs-Truss, Two Post Type, Square Pedestal Pile Foundation |
| S15 | Overhead Signs-Truss, Two Post Type, Round Pedestal Pile Foundation |
| S16 | Overhead Signs, Walkway Details No. 1 |
| S17 | Overhead Signs, Walkway Details No. 2 |
| S17A | Overhead Signs, Walkway Details No. 3 |
| S18 | Overhead Signs, Walkway Safety Railing Details |
| S19 | Overhead Signs-Truss, Sign Mounting Details, Laminated Panel-Type A |
| S20 | Overhead Signs, Steel Frames, Removable Sign Panel Frames |
| S21 | Overhead Signs, Removable Sign Panel Frames, Mounting Details |
| S22 | Overhead Signs-Truss, Removable Sign Panel Frames, 9'-2" and 10'-0" Sign Panels |

WALKWAY BRACKETS:

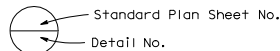
Space all walkway brackets maintaining uniform spacing where possible. Maximum spacing shall not exceed 5'-6".

LIGHTING FIXTURE SUPPORTS:

Where distance from walkway bracket to end of sign panel exceeds 1'-4", extend lighting fixture supports to next walkway bracket. See Example No. 2.

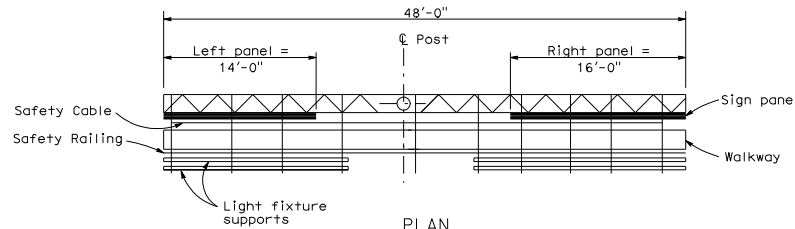
WALKWAY AND SAFETY RAILING:

Walkway to be continuous for entire length of frame for single post signs. For two post signs, see Project Plans. Safety railing to protect entire walkway, but continuous for no more than 11'-0" in one unit.

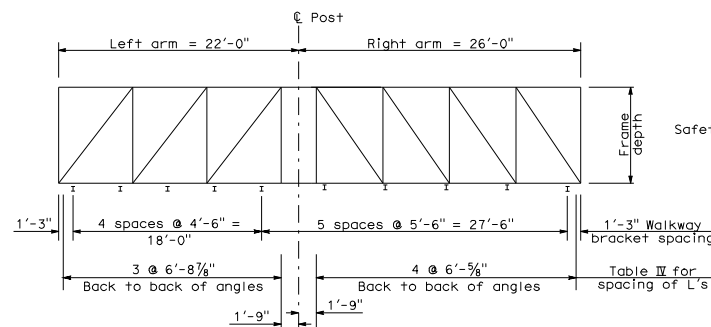


NOTE:

Signs are shown and dimensioned looking in the direction of traffic. Double faced signs are shown and dimensioned looking ahead along stationing.



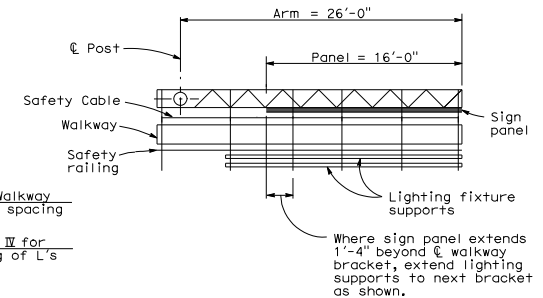
PLAN



ELEVATION

UNBALANCED SINGLE POST TYPE

Example No. 1



PLAN

CANTILEVER SINGLE POST TYPE

Example No. 2

GENERAL NOTES:

DESIGN:

AASHTO Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, dated 2001.

CONSTRUCTION:

Standard Specifications and the Special Provisions.

LOADING:

WIND LOADING:

Normal to face of sign: 40.3 psf on 100% Truss surface area (i.e., 100% panel coverage).

Transverse to face of sign: 20% of normal force.

WALKWAY LOADING:

Dead load +500 LB concentrated live load.

UNIT STRESSES:

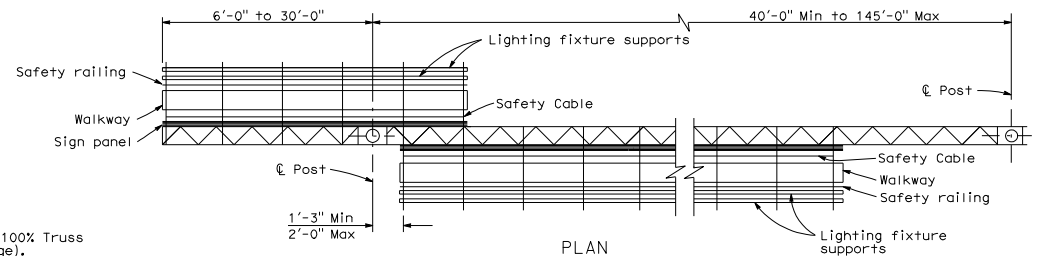
STRUCTURAL STEEL: $f_y = 36,000$ psi
 REINFORCED CONCRETE: $f_y = 60,000$ psi
 $f'_c = 3600$ psi
 FOOTING SOIL PRESSURE: 2.5 ksf (spread footing)

MINIMUM CLEARANCE

Vertical roadway clearance 18'-0".

WELDING:

All welding continuous unless otherwise noted on the plans. All welding to be done in accordance with the Standard Specifications.



PLAN

TWO POST TYPE WITH CANTILEVER (PART DOUBLE-FACED)

Example No. 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TRUSS INSTRUCTIONS AND EXAMPLES

NO SCALE